

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102723\
 Data File : BM042476.D
 Acq On : 27 Oct 2023 14:01
 Operator : MA/JU
 Sample : PB156597TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB156597TB

Quant Time: Oct 27 14:34:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

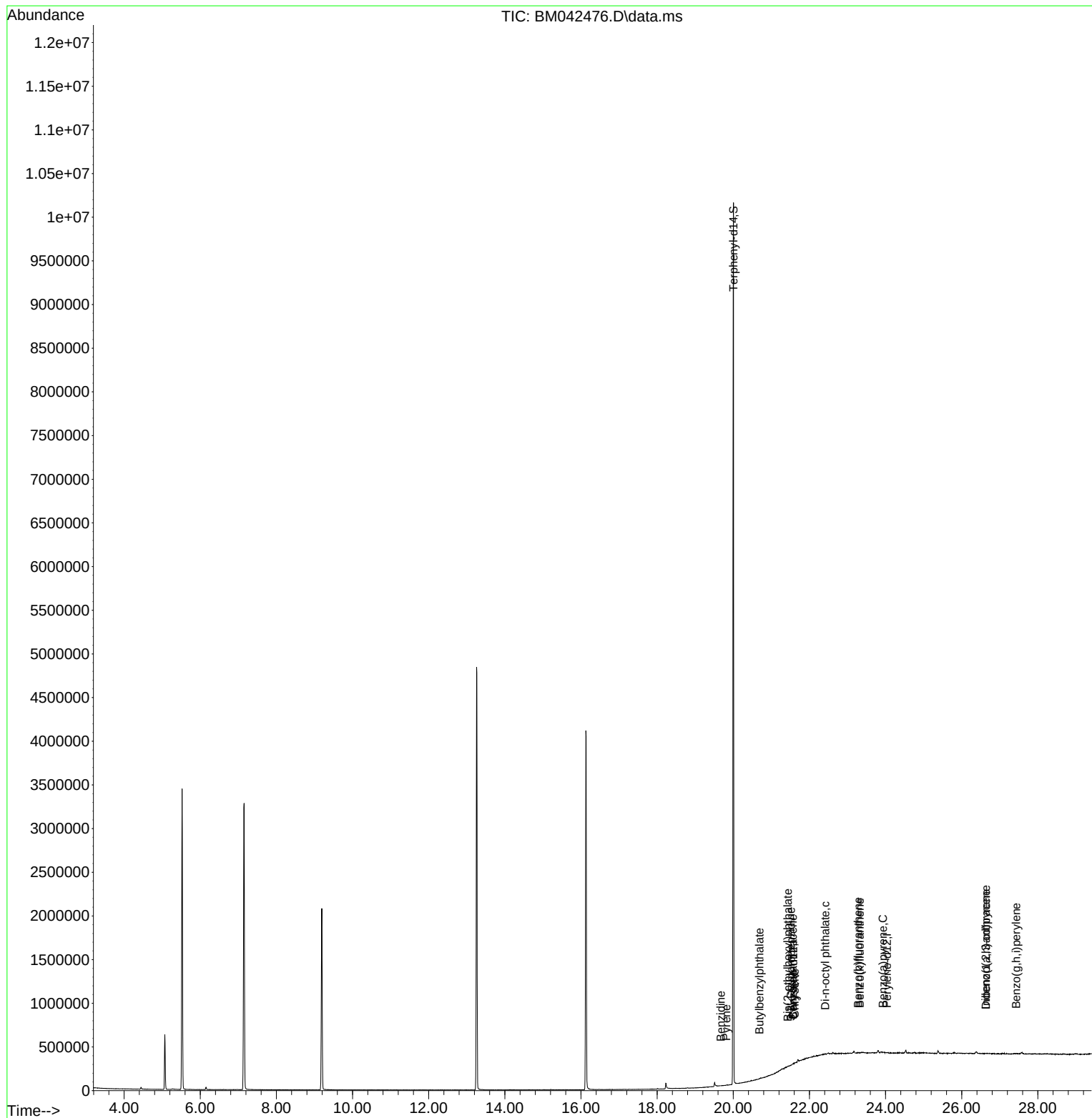
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-8.00
21) Naphthalene-d8	0.000	136	0	0.000	ng	-10.82
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-14.64
64) Phenanthrene-d10	0.000	188	0	0.000	ng	-17.40
76) Chrysene-d12	21.580	240	2063	20.000	ng	# 0.00
86) Perylene-d12	24.038	264	1544	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1348032	0.000	ng	0.00
7) Phenol-d6	7.151	99	1808159	0.000	ng	0.00
23) Nitrobenzene-d5	9.192	82	1135141	0.000	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	775968	0.000	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	2502372	0.000	ng	0.00
79) Terphenyl-d14	20.003	244	4963155	42666.563	ng	0.00
Target Compounds						
						Qvalue
77) Benzidine	19.674	184	849	28.452	ng	# 67
78) Pyrene	19.815	202	908	6.299	ng	# 72
80) Butylbenzylphthalate	20.686	149	512	10.562	ng	# 92
81) Benzo(a)anthracene	21.562	228	2170	15.691	ng	# 69
82) 3,3'-Dichlorobenzidine	21.515	252	137	3.318	ng	# 66
83) Chrysene	21.615	228	3699	27.847	ng	# 86
84) Bis(2-ethylhexyl)phtha...	21.433	149	3242	35.817	ng	# 97
85) Di-n-octyl phthalate	22.415	149	251	5.649	ng	# 14
87) Indeno(1,2,3-cd)pyrene	26.632	276	1335	11.831	ng	# 52
88) Benzo(b)fluoranthene	23.280	252	2902	31.225	ng	# 5
89) Benzo(k)fluoranthene	23.321	252	2563	26.563	ng	# 1
90) Benzo(a)pyrene	23.932	252	1377	15.394	ng	# 1
91) Dibenzo(a,h)anthracene	26.632	278	601	6.406	ng	# 1
92) Benzo(g,h,i)perylene	27.432	276	2092	22.962	ng	# 79

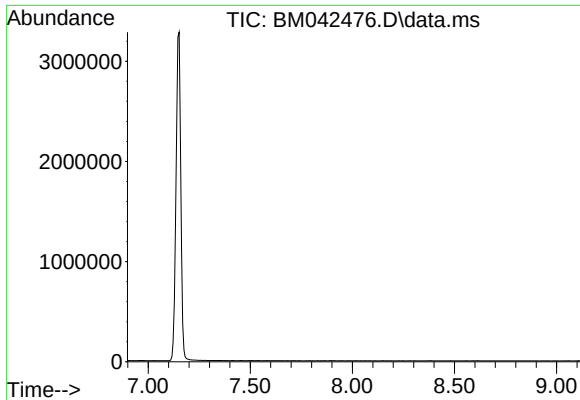
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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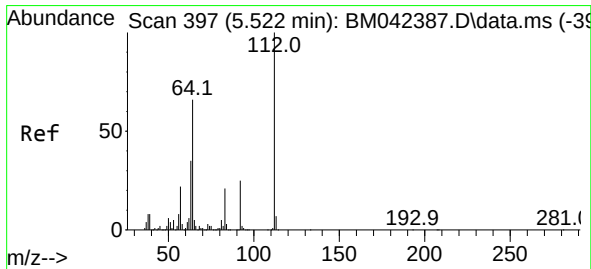
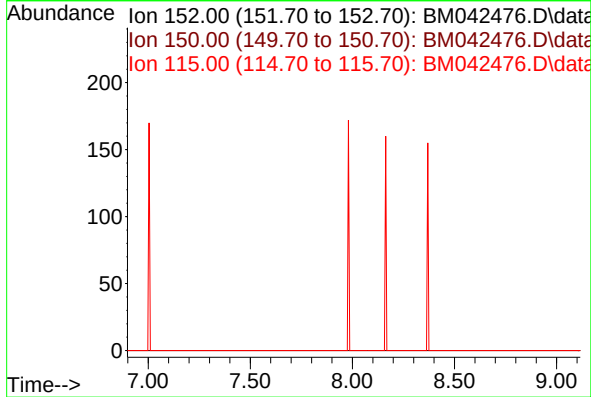


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 8.00 min
 Lab File: BM042476.D
 Acq: 27 Oct 2023 14:01

Instrument :
 BNA_M
 ClientSampleId :
 PB156597B

Tgt Ion: 152

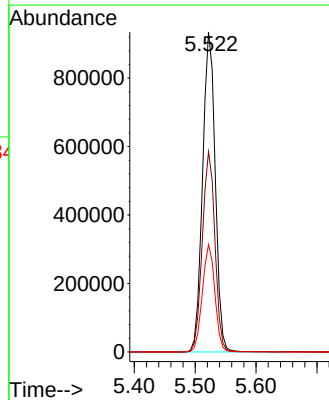
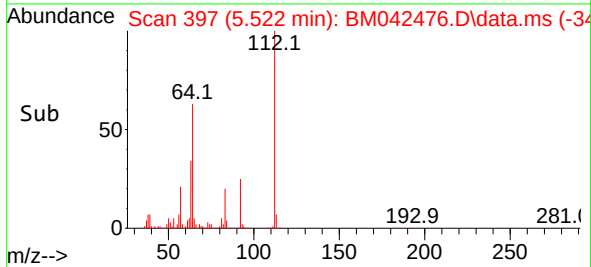
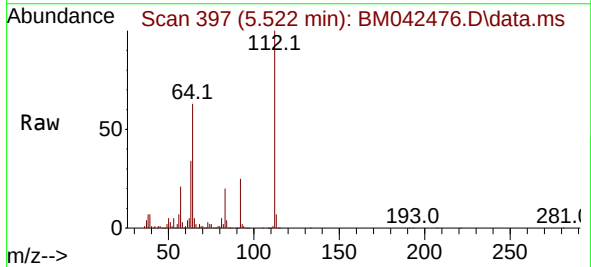
Sig	Exp Ratio
152	100
150	157.8
115	64.9

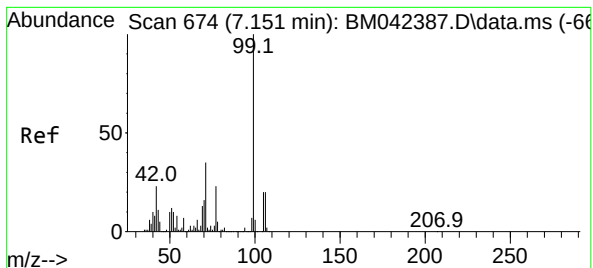


#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.522 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: BM042476.D
 Acq: 27 Oct 2023 14:01

Tgt Ion: 112 Resp: 1348032

Ion	Ratio	Lower	Upper
112	100		
64	62.5	52.7	79.1
63	33.6	28.3	42.5





#7

Phenol-d6

Concen: 0.000 ng

RT: 7.151 min Scan# 61

Delta R.T. -0.000 min

Lab File: BM042476.D

Acq: 27 Oct 2023 14:01

Instrument :

BNA_M

ClientSampleId :

PB156597TB

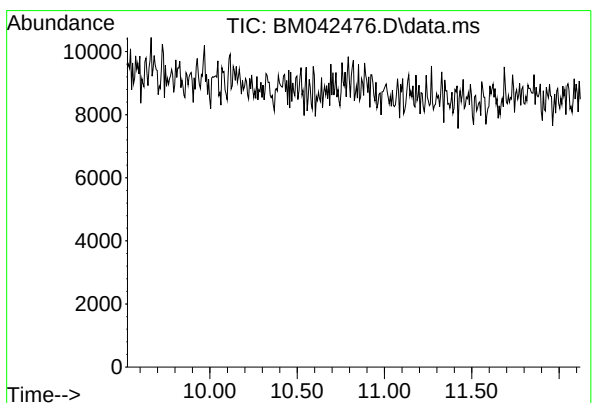
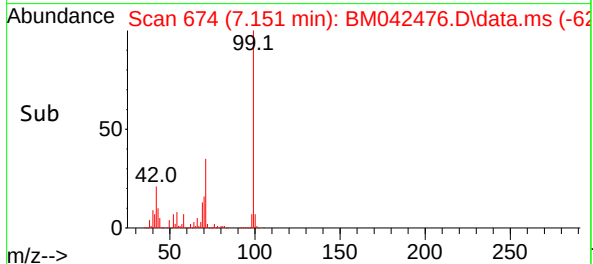
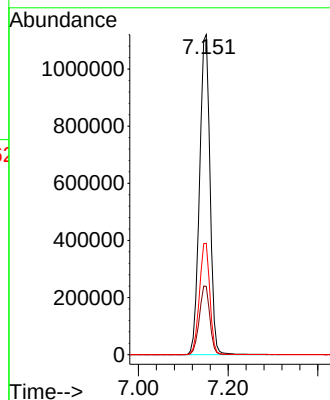
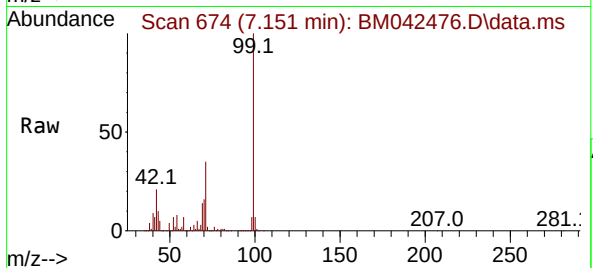
Tgt Ion: 99 Resp: 1808159

Ion Ratio Lower Upper

99 100

42 21.3 18.5 27.7

71 34.8 27.7 41.5



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.82 min

Lab File: BM042476.D

Acq: 27 Oct 2023 14:01

Tgt Ion: 136

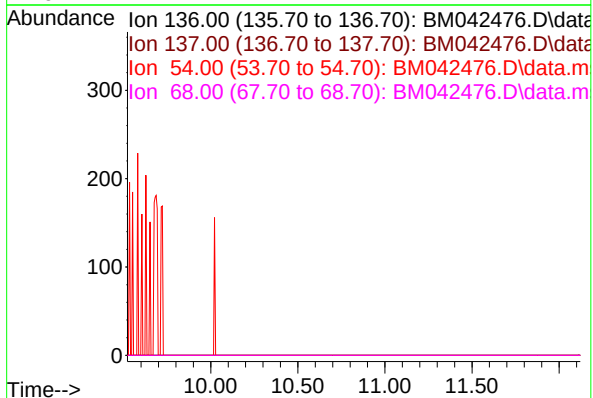
Sig Exp Ratio

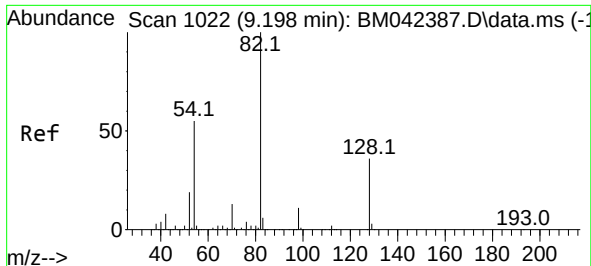
136 100

137 10.6

54 10.7

68 8.0





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042476.D

Acq: 27 Oct 2023 14:01

Instrument :

BNA_M

ClientSampleId :

PB156597B

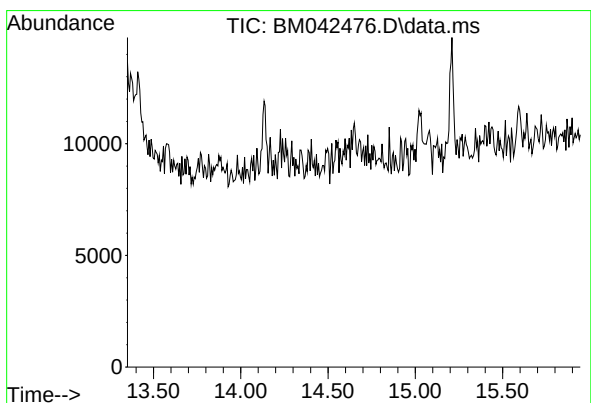
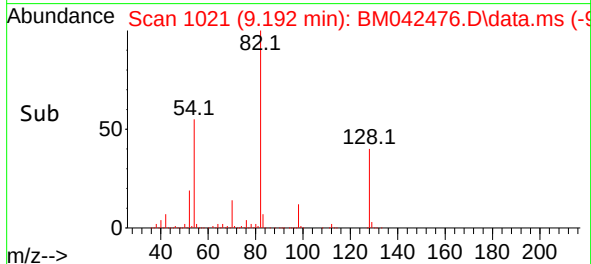
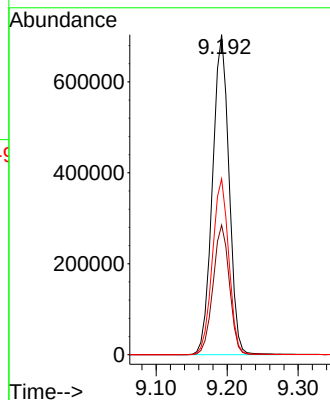
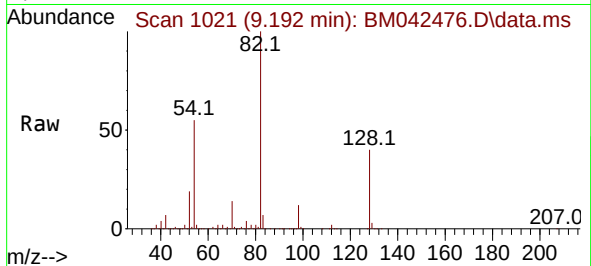
Tgt Ion: 82 Resp: 1135141

Ion Ratio Lower Upper

82 100

128 40.5 29.0 43.6

54 55.0 43.7 65.5



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 14.64 min

Lab File: BM042476.D

Acq: 27 Oct 2023 14:01

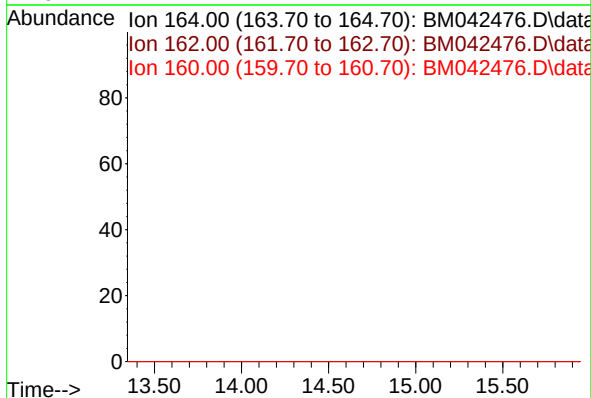
Tgt Ion: 164

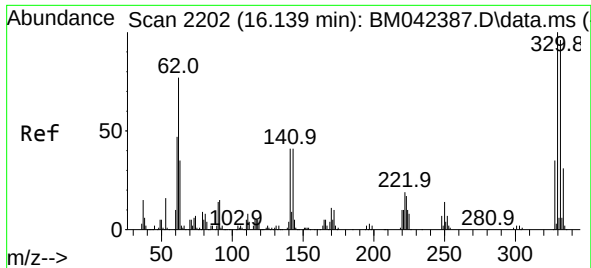
Sig Exp Ratio

164 100

162 103.7

160 46.2

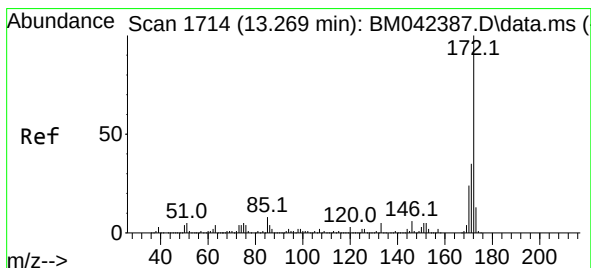
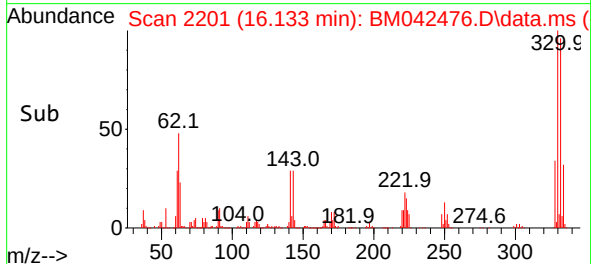
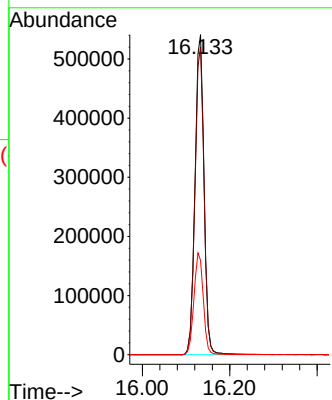
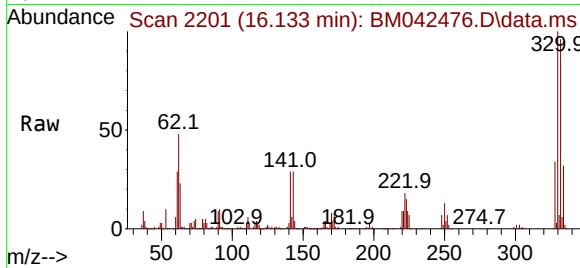




#42
2,4,6-Tribromophenol
Concen: 0.000 ng
RT: 16.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

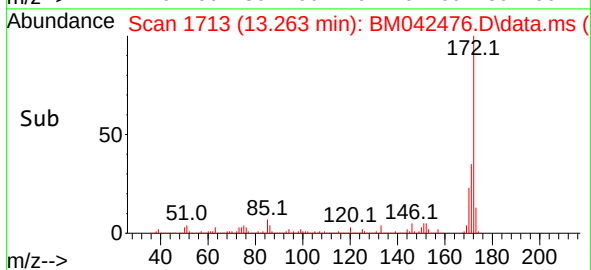
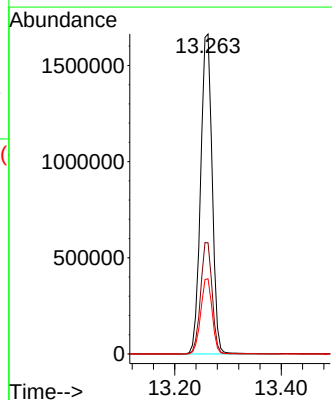
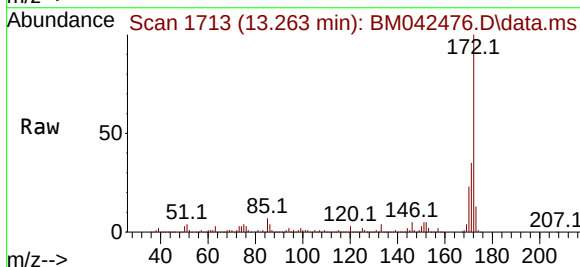
Instrument :
BNA_M
ClientSampleId :
PB156597TB

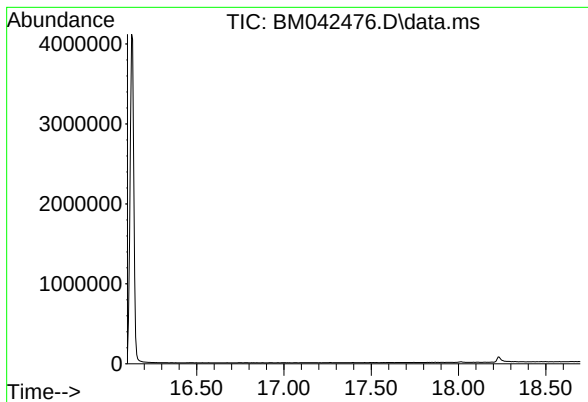
Tgt Ion:330 Resp: 775968
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 33.1 38.0 57.0#



#45
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

Tgt Ion:172 Resp: 2502372
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.5 18.9 28.3



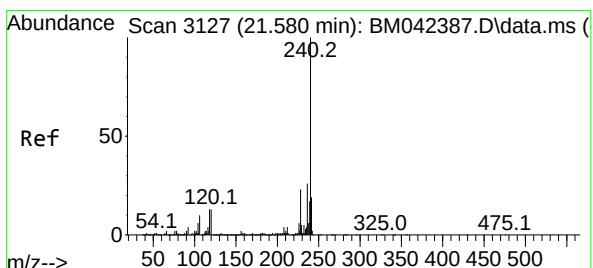
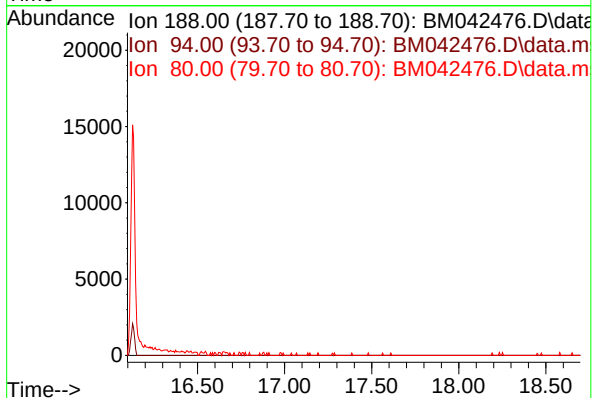


#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.40 min
 Lab File: BM042476.D
 Acq: 27 Oct 2023 14:01

Instrument :
 BNA_M
 ClientSampleId :
 PB156597TB

Tgt Ion: 188

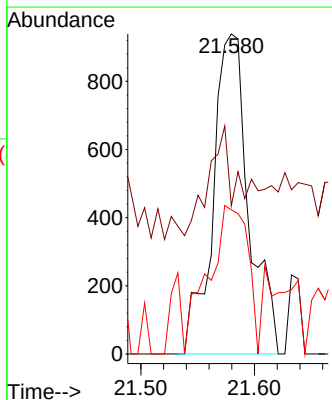
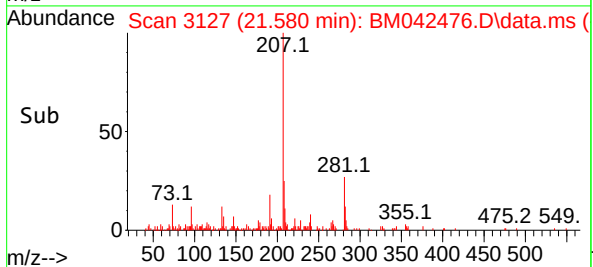
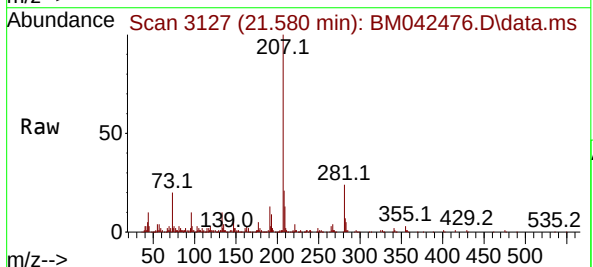
Sig	Exp Ratio
188	100
94	11.7
80	13.4

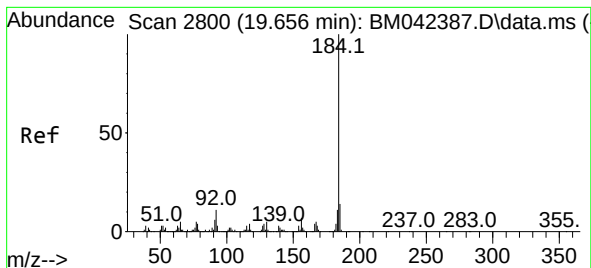


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.580 min Scan# 3127
 Delta R.T. -0.000 min
 Lab File: BM042476.D
 Acq: 27 Oct 2023 14:01

Tgt Ion: 240 Resp: 2063

Ion	Ratio	Lower	Upper
240	100		
120	46.3	10.7	16.1#
236	45.0	20.7	31.1#





#77

Benzidine

Concen: 28.452 ng

RT: 19.674 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM042476.D

Acq: 27 Oct 2023 14:01

Instrument :

BNA_M

ClientSampleId :

PB156597B

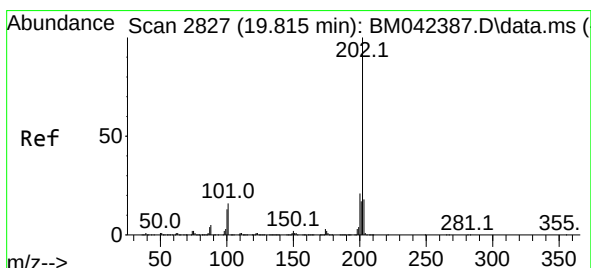
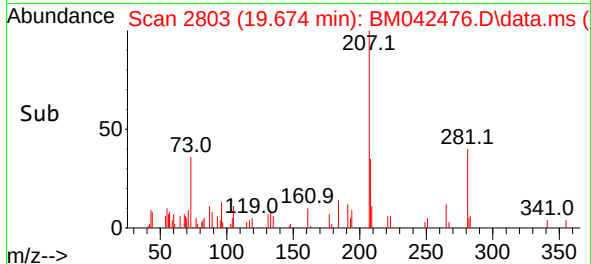
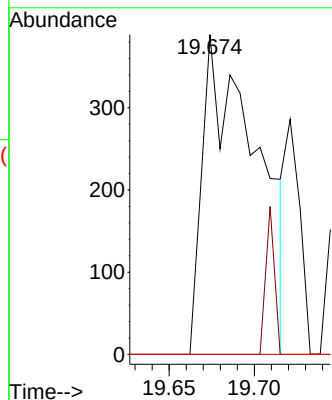
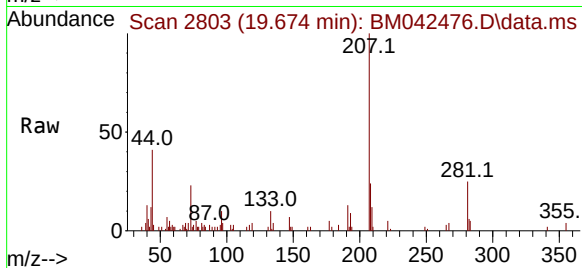
Tgt Ion:184 Resp: 849

Ion Ratio Lower Upper

184 100

185 0.0 11.5 17.3#

183 0.0 9.2 13.8#



#78

Pyrene

Concen: 6.299 ng

RT: 19.815 min Scan# 2827

Delta R.T. -0.000 min

Lab File: BM042476.D

Acq: 27 Oct 2023 14:01

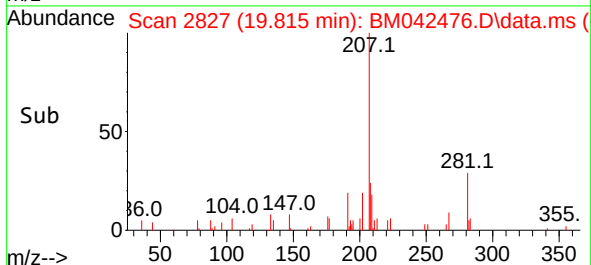
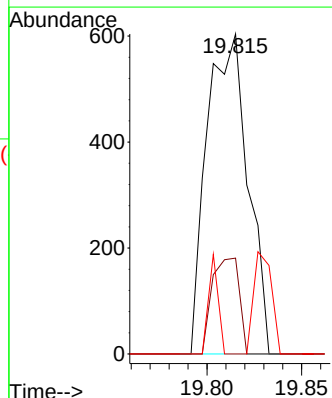
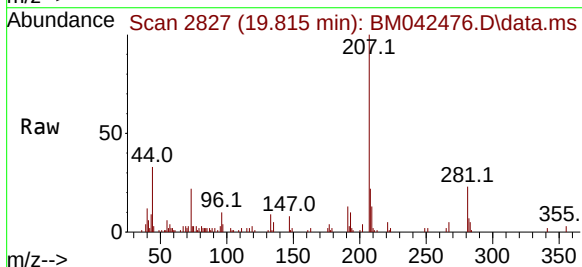
Tgt Ion:202 Resp: 908

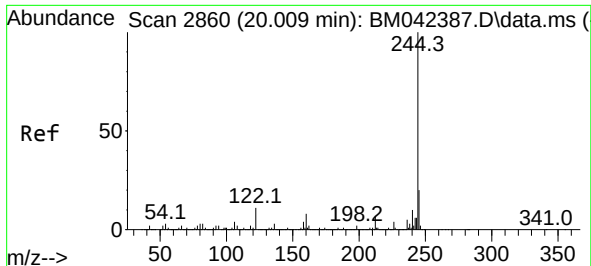
Ion Ratio Lower Upper

202 100

200 30.0 17.1 25.7#

203 0.0 14.1 21.1#

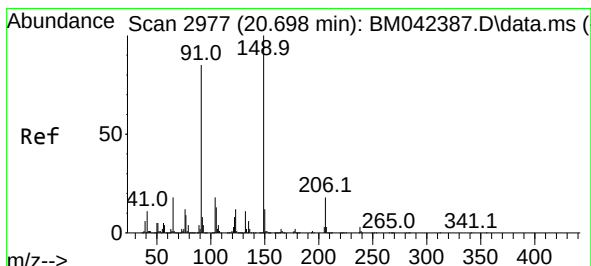
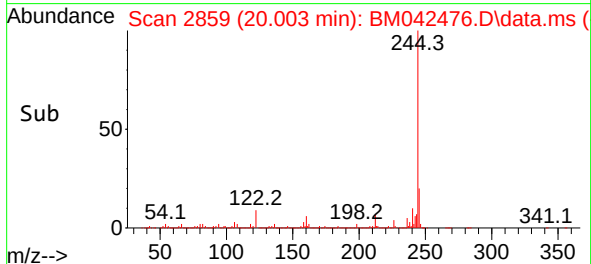
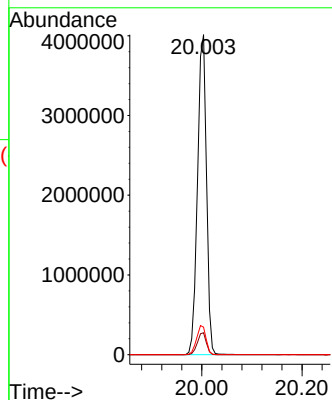
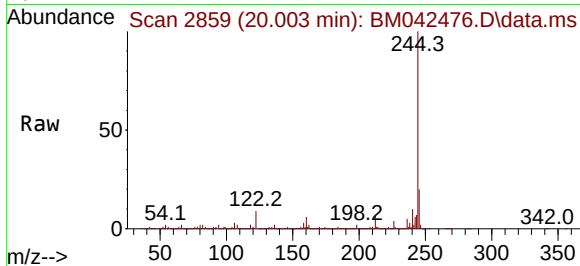




#79
 Terphenyl-d14
 Concen: 42666.563 ng
 RT: 20.003 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042476.D
 Acq: 27 Oct 2023 14:01

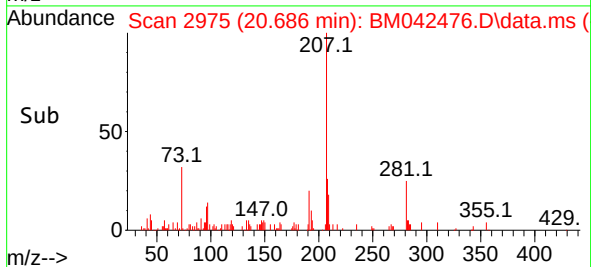
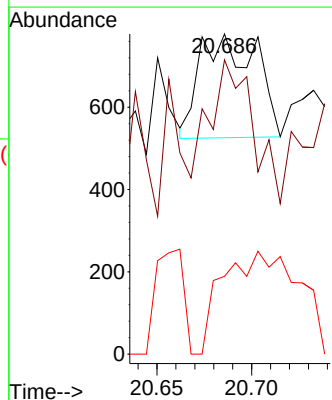
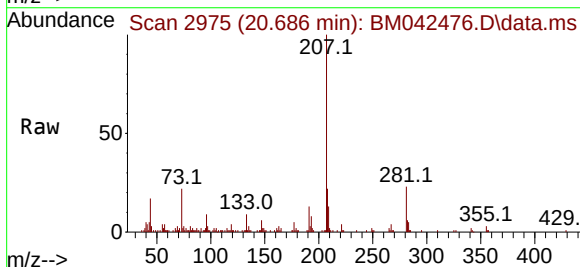
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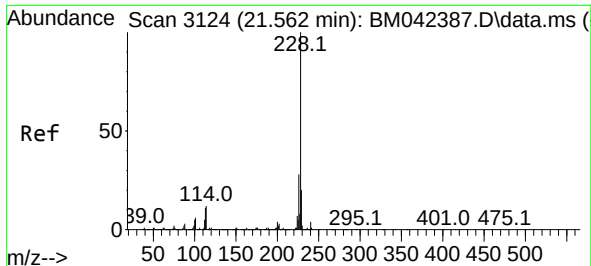
Tgt Ion:244 Resp: 4963155
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 8.6 8.8 13.2#



#80
 Butylbenzylphthalate
 Concen: 10.562 ng
 RT: 20.686 min Scan# 2975
 Delta R.T. -0.012 min
 Lab File: BM042476.D
 Acq: 27 Oct 2023 14:01

Tgt Ion:149 Resp: 512
 Ion Ratio Lower Upper
 149 100
 91 91.9 68.3 102.5
 206 24.3 14.6 22.0#

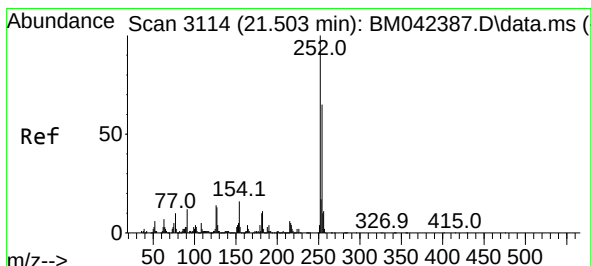
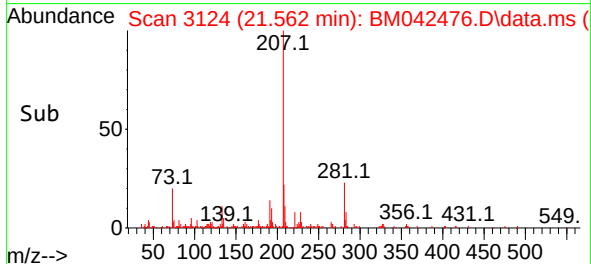
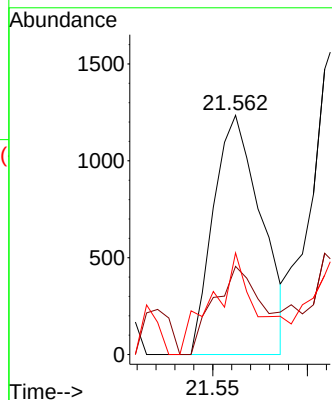
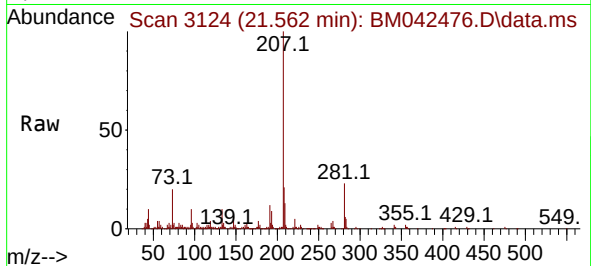




#81
Benzo(a)anthracene
Concen: 15.691 ng
RT: 21.562 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

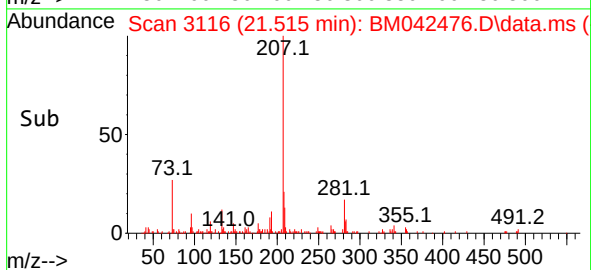
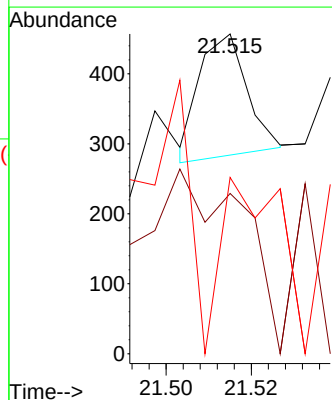
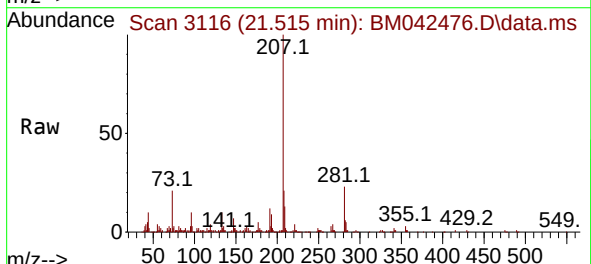
Instrument :
BNA_M
ClientSampleId :
PB156597TB

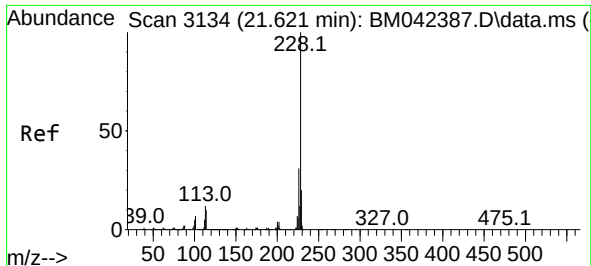
Tgt Ion:228 Resp: 2170
Ion Ratio Lower Upper
228 100
226 36.8 22.2 33.4#
229 42.5 15.7 23.5#



#82
3,3'-Dichlorobenzidine
Concen: 3.318 ng
RT: 21.515 min Scan# 3116
Delta R.T. 0.012 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

Tgt Ion:252 Resp: 137
Ion Ratio Lower Upper
252 100
254 50.1 52.2 78.2#
126 55.1 11.4 17.2#

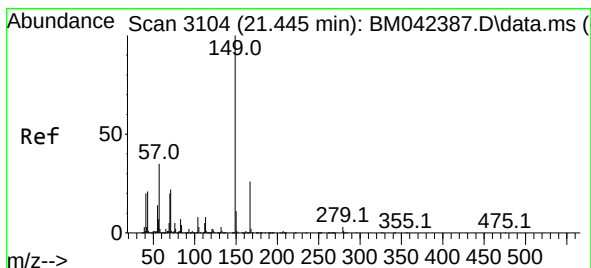
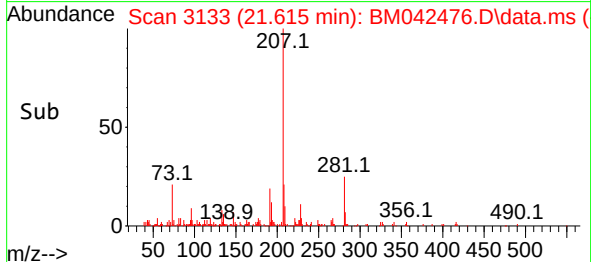
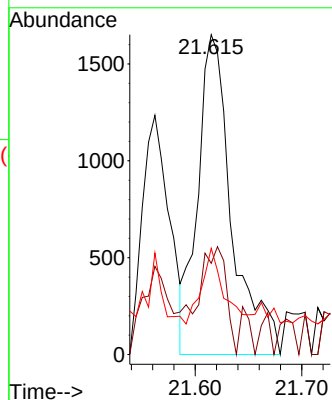
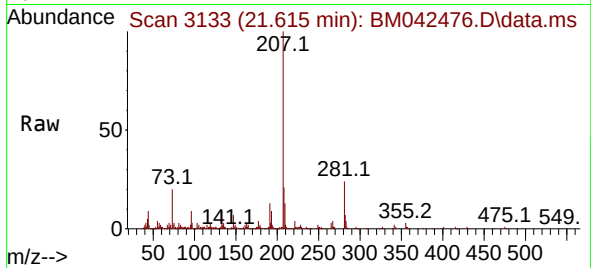




#83
Chrysene
Concen: 27.847 ng
RT: 21.615 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

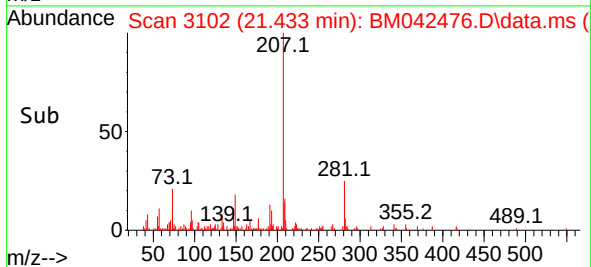
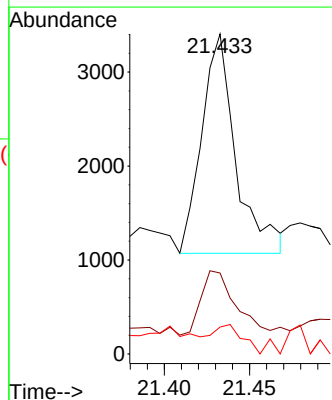
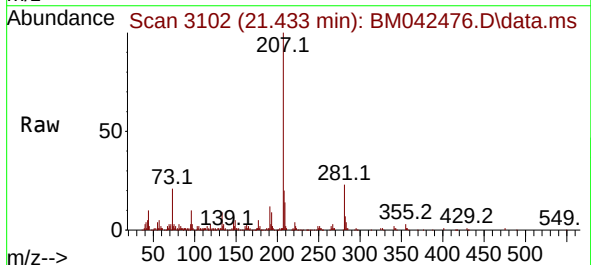
Instrument :
BNA_M
ClientSampleId :
PB156597B

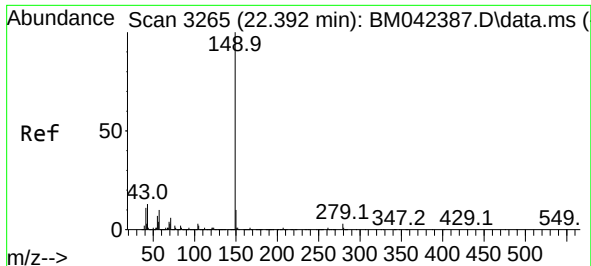
Tgt Ion:228 Resp: 3699
Ion Ratio Lower Upper
228 100
226 28.5 24.6 36.8
229 33.3 15.7 23.5#



#84
Bis(2-ethylhexyl)phthalate
Concen: 35.817 ng
RT: 21.433 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

Tgt Ion:149 Resp: 3242
Ion Ratio Lower Upper
149 100
167 25.3 20.9 31.3
279 8.4 2.7 4.1#

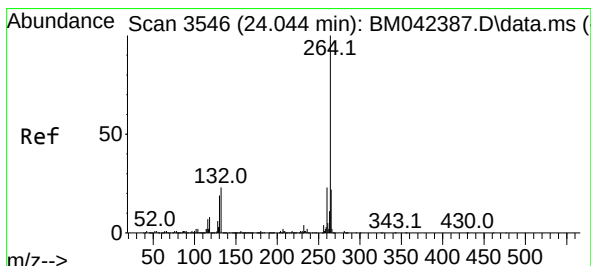
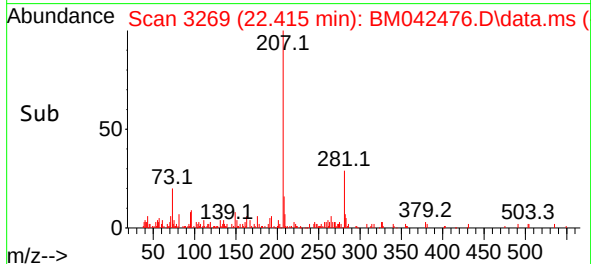
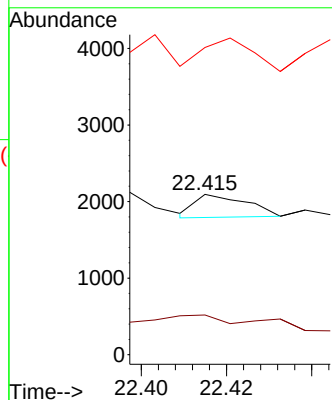
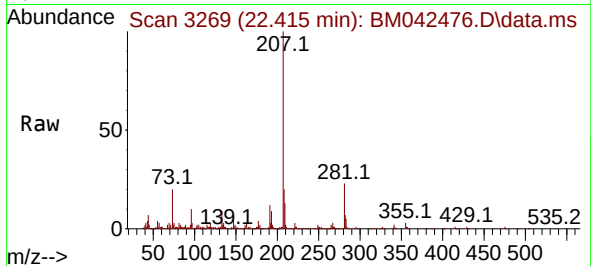




#85
Di-n-octyl phthalate
Concen: 5.649 ng
RT: 22.415 min Scan# 31
Delta R.T. 0.023 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

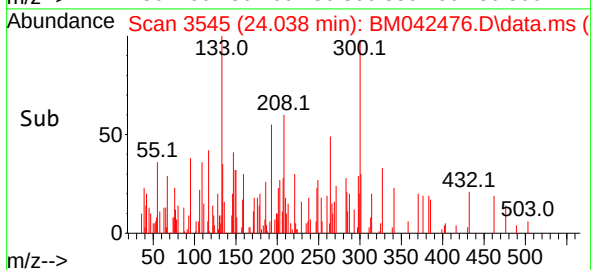
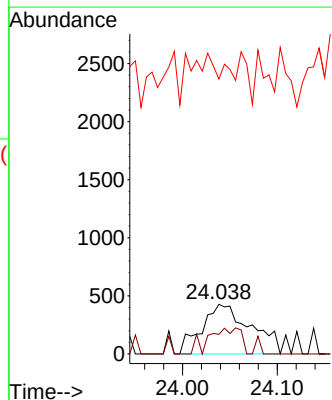
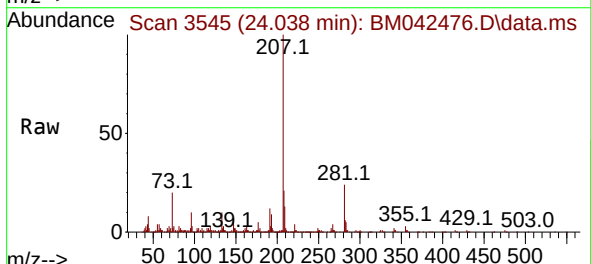
Instrument :
BNA_M
ClientSampleId :
PB156597B

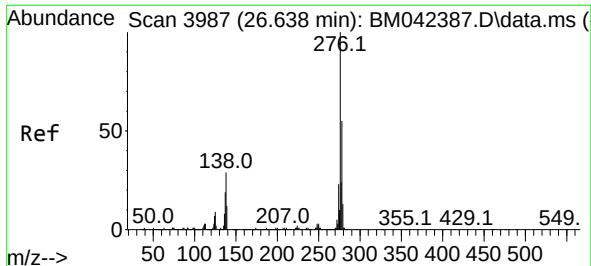
Tgt Ion:149 Resp: 251
Ion Ratio Lower Upper
149 100
167 215.1 1.2 1.8#
43 0.0 11.0 16.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.038 min Scan# 3545
Delta R.T. -0.006 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

Tgt Ion:264 Resp: 1544
Ion Ratio Lower Upper
264 100
260 39.6 18.6 27.8#
265 554.3 17.8 26.8#

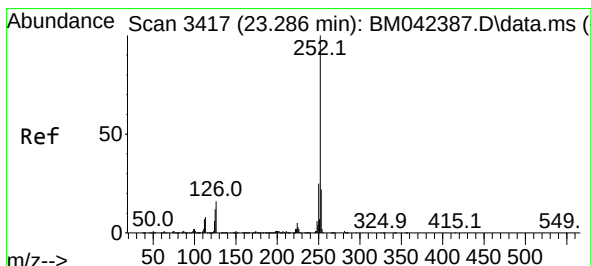
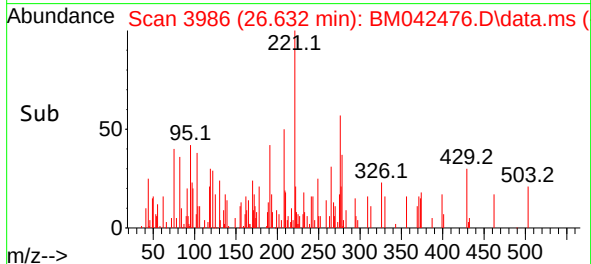
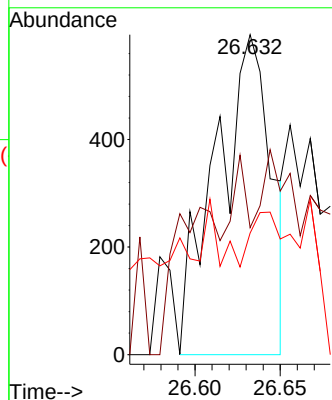
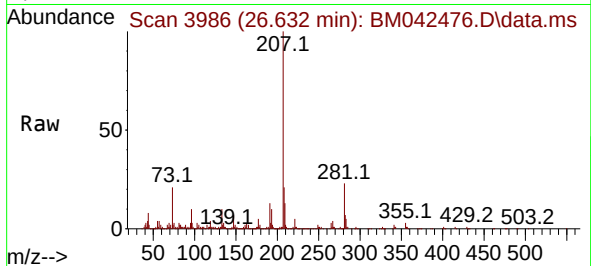




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.831 ng
RT: 26.632 min Scan# 3986
Delta R.T. -0.006 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

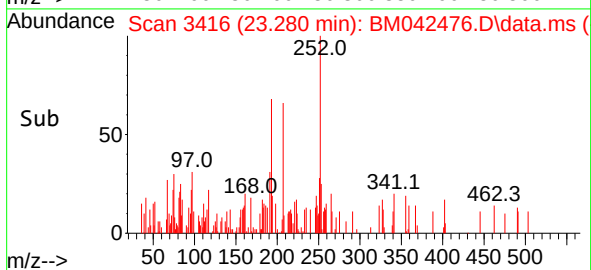
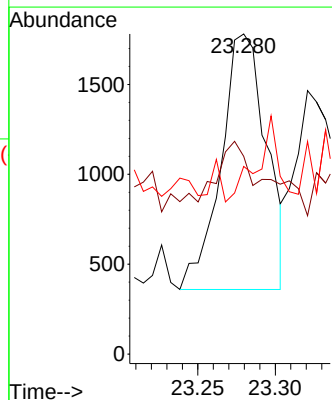
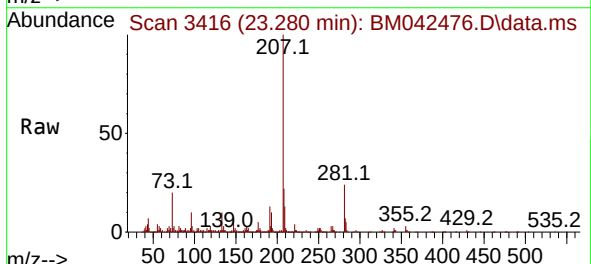
Instrument :
BNA_M
ClientSampleId :
PB156597B

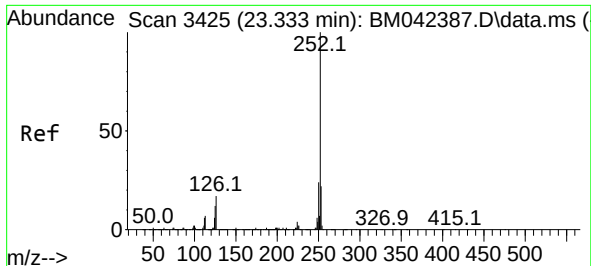
Tgt Ion:276 Resp: 1335
Ion Ratio Lower Upper
276 100
138 5.8 25.6 38.4#
277 0.0 20.0 30.0#



#88
Benzo(b)fluoranthene
Concen: 31.225 ng
RT: 23.280 min Scan# 3416
Delta R.T. -0.006 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

Tgt Ion:252 Resp: 2902
Ion Ratio Lower Upper
252 100
253 61.8 18.0 27.0#
125 58.6 9.8 14.8#

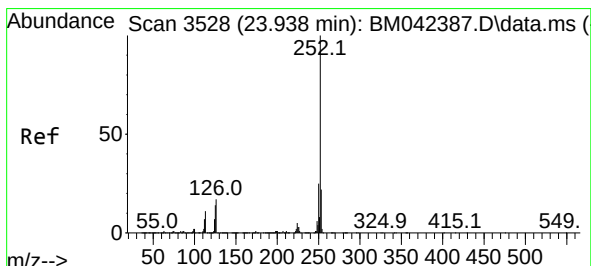
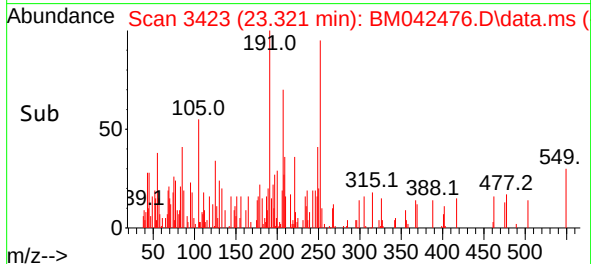
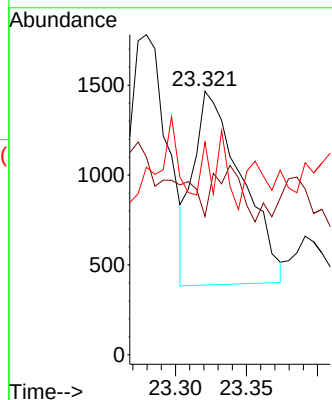
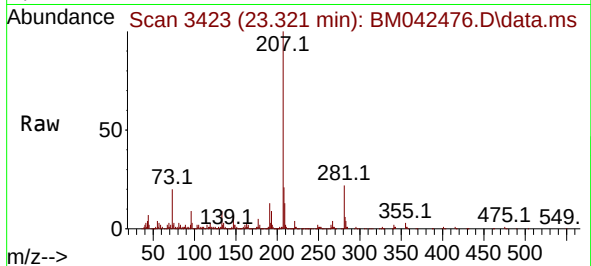




#89
Benzo(k)fluoranthene
Concen: 26.563 ng
RT: 23.321 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

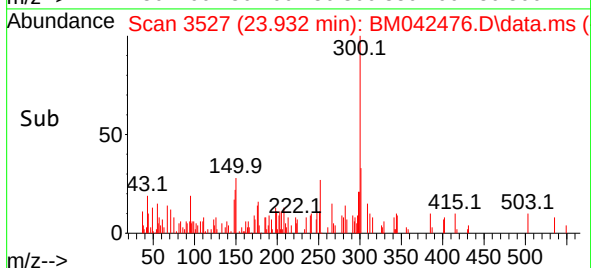
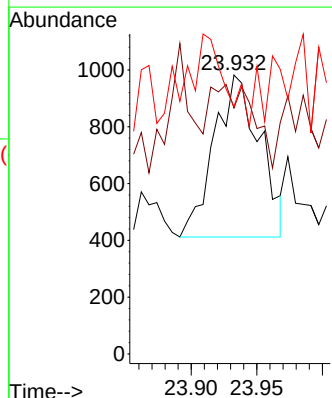
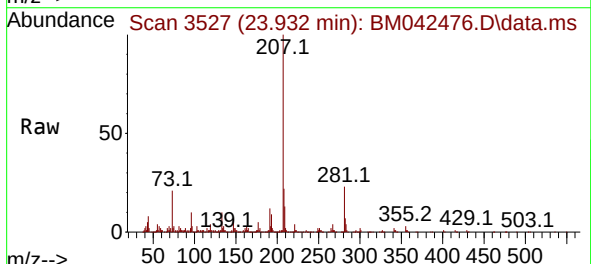
Instrument :
BNA_M
ClientSampleId :
PB156597TB

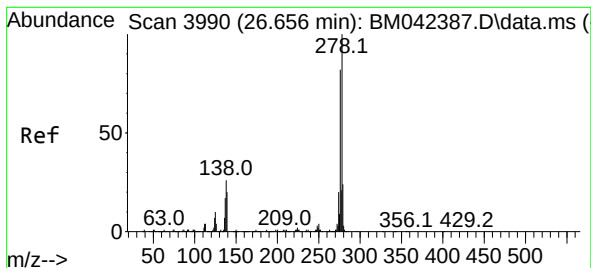
Tgt Ion:252 Resp: 2563
Ion Ratio Lower Upper
252 100
253 52.5 17.9 26.9#
125 80.7 10.2 15.2#



#90
Benzo(a)pyrene
Concen: 15.394 ng
RT: 23.932 min Scan# 3527
Delta R.T. -0.006 min
Lab File: BM042476.D
Acq: 27 Oct 2023 14:01

Tgt Ion:252 Resp: 1377
Ion Ratio Lower Upper
252 100
253 88.2 17.9 26.9#
125 88.7 10.9 16.3#





#91

Dibenzo(a,h)anthracene

Concen: 6.406 ng

RT: 26.632 min Scan# 3990

Delta R.T. -0.024 min

Lab File: BM042476.D

Acq: 27 Oct 2023 14:01

Instrument :

BNA_M

ClientSampleId :

PB156597B

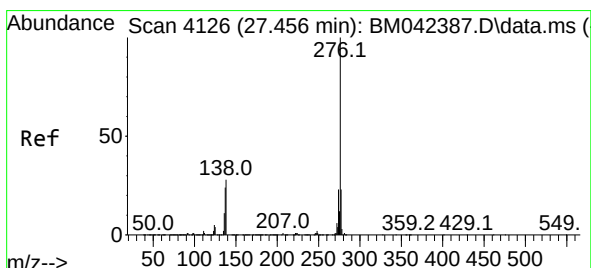
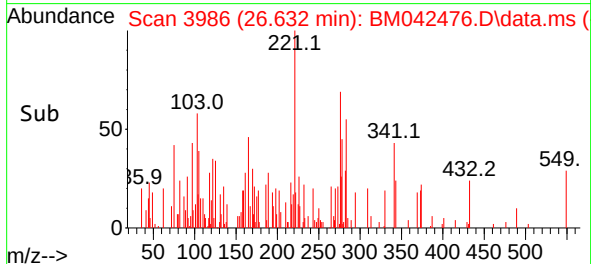
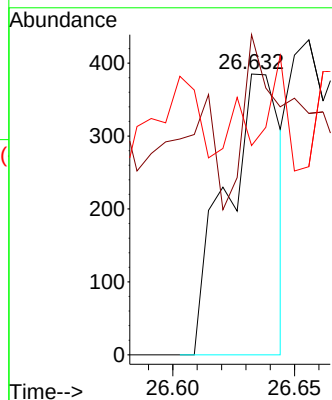
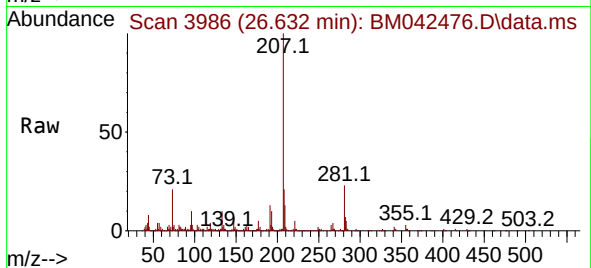
Tgt Ion:278 Resp: 601

Ion Ratio Lower Upper

278 100

139 114.0 15.6 23.4#

279 74.5 19.0 28.6#



#92

Benzo(g,h,i)perylene

Concen: 22.962 ng

RT: 27.432 min Scan# 4122

Delta R.T. -0.024 min

Lab File: BM042476.D

Acq: 27 Oct 2023 14:01

Tgt Ion:276 Resp: 2092

Ion Ratio Lower Upper

276 100

277 29.1 18.3 27.5#

138 42.6 22.6 34.0#

